

Palo Alto County, Iowa

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria				Acres
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
6: OKOBOJI SILTY CLAY LOAM, 0 TO 1 PERCENT SLOPES	OKOBOJI	Yes	pothole	2B3,3	YES	NO	YES	13,784
	CALCAREOUS	Yes	pothole	3,2B3	YES	NO	YES	766
	OTHER	Yes	pothole	2B3	YES	NO	NO	766
34: ESTHERVILLE SANDY LOAM, 0 TO 2 PERCENT SLOPES	ESTHERVILLE	No	---	---	---	---	---	2,682
	LIGHT LOAM SURFACE	No	---	---	---	---	---	149
	OTHER	No	---	---	---	---	---	149
34B: ESTHERVILLE SANDY LOAM, 2 TO 5 PERCENT SLOPES	ESTHERVILLE	No	---	---	---	---	---	641
	OTHER	No	---	---	---	---	---	34
34C2: ESTHERVILLE SANDY LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODE	ESTHERVILLE	No	---	---	---	---	---	240
55: NICOLLET LOAM, 1 TO 3 PERCENT SLOPES	NICOLLET	No	---	---	---	---	---	57,864
	OTHER	Yes	pothole	3,2B3	YES	NO	YES	3,046
62C: STORDEN LOAM, 5 TO 9 PERCENT SLOPES	STORDEN	No	---	---	---	---	---	1,638
	OTHER	No	---	---	---	---	---	91
	SALIDA	No	---	---	---	---	---	91
62D: STORDEN LOAM, 9 TO 14 PERCENT SLOPES	STORDEN	No	---	---	---	---	---	4,982
	OTHER	No	---	---	---	---	---	277
	SALIDA	No	---	---	---	---	---	277
62E: STORDEN LOAM, 14 TO 18 PERCENT SLOPES	STORDEN	No	---	---	---	---	---	1,400
	OTHER	No	---	---	---	---	---	78
	SALIDA	No	---	---	---	---	---	78
62F: STORDEN LOAM, 18 TO 25 PERCENT SLOPES	STORDEN	No	---	---	---	---	---	540

## Hydric Soils List

FIELD OFFICE TECHNICAL GUIDE Sec. II  
HYDRIC SOIL INTERPRETATIONS

Palo Alto County, Iowa

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria				Acres
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
	OTHER	No	---	---	---	---	---	30
	SALIDA	No	---	---	---	---	---	30
72: ESTHERVILLE LOAM, 0 TO 2 PERCENT SLOPES	ESTHERVILLE	No	---	---	---	---	---	2,934
	SANDY LOAM	No	---	---	---	---	---	163
	sand gravel	No	---	---	---	---	---	163
72B: ESTHERVILLE LOAM, 2 TO 5 PERCENT SLOPES	ESTHERVILLE	No	---	---	---	---	---	985
73C: SALIDA GRAVELLY SANDY LOAM, 4 TO 12 PERCENT SLOPES	SALIDA	No	---	---	---	---	---	765
	OTHER	No	---	---	---	---	---	40
90: OKOBOJI MUCKY SILT LOAM, 0 TO 1 PERCENT SLOPES	OKOBOJI	Yes	pothole	2B3,3	YES	NO	YES	2,346
	CALCAREOUS	Yes	pothole	2B3,3	YES	NO	YES	124
95: HARPS LOAM, 0 TO 2 PERCENT SLOPES	HARPS	Yes	ground moraine	2B3	YES	NO	NO	6,584
	OTHER	Yes	pothole	2B3,3	YES	NO	YES	346
107: WEBSTER SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	WEBSTER	Yes	ground moraine	2B3	YES	NO	NO	27,868
	OTHER	Yes	pothole	2B3,3	YES	NO	YES	1,467
133: COLO SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	COLO	Yes	flood plain	2B3	YES	NO	NO	6,075
133B: COLO SILTY CLAY LOAM, 2 TO 4 PERCENT SLOPES	COLO	Yes	flood plain	2B3	YES	NO	NO	846
	OTHER	No	---	---	---	---	---	44
138B: CLARION LOAM, 2 TO 5 PERCENT SLOPES	CLARION	No	---	---	---	---	---	48,896
	OTHER	No	---	---	---	---	---	2,876
	OTHER	No	---	---	---	---	---	2,876
	STORDEN	No	---	---	---	---	---	1,726
	ROLFE	Yes	pothole	2B3,3	YES	NO	YES	1,150

## Hydric Soils List

FIELD OFFICE TECHNICAL GUIDE Sec. II  
HYDRIC SOIL INTERPRETATIONS

Palo Alto County, Iowa

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria				Acres
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
138C: CLARION LOAM, 5 TO 9 PERCENT SLOPES	CLARION	No	---	---	---	---	---	920
138C2: CLARION LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	CLARION	No	---	---	---	---	---	21,298
	OTHER	No	---	---	---	---	---	1,183
	STORDEN	No	---	---	---	---	---	1,183
138D2: CLARION LOAM, 9 TO 14 PERCENT SLOPES, MODERATELY ERODED	CLARION	No	---	---	---	---	---	2,020
	OTHER	No	---	---	---	---	---	112
	STORDEN	No	---	---	---	---	---	112
141: WATSEKA LOAMY FINE SAND, 0 TO 2 PERCENT SLOPES	WATSEKA	No	---	---	---	---	---	347
	OTHER	Yes	terrace	2B3	YES	NO	NO	18
150: HANSKA LOAM, MODERATELY DEEP, 0 TO 2 PERCENT SLOPES	HANSKA	Yes	ground moraine	2B3	YES	NO	NO	2,831
	OTHER	Yes	pothole	2B3,3	YES	NO	YES	149
172: WABASH SILTY CLAY, 0 TO 2 PERCENT SLOPES	WABASH	Yes	flood plain	3,2B3	YES	NO	YES	3,635
181B: CLARION-ESTHERVILLE COMPLEX, 2 TO 5 PERCENT SLOPES	CLARION	No	---	---	---	---	---	485
	ESTHERVILLE	No	---	---	---	---	---	242
	OTHER	No	---	---	---	---	---	242
181C2: CLARION-ESTHERVILLE COMPLEX, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	CLARION	No	---	---	---	---	---	632
	ESTHERVILLE	No	---	---	---	---	---	316
	OTHER	No	---	---	---	---	---	316
203: CYLINDER LOAM, DEEP, 0 TO 2 PERCENT SLOPES	CYLINDER	No	---	---	---	---	---	4,114
	OTHER	Yes	terrace	2B3	YES	NO	NO	216

## Hydric Soils List

FIELD OFFICE TECHNICAL GUIDE Sec. II  
HYDRIC SOIL INTERPRETATIONS

Palo Alto County, Iowa

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria				Acres
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
221: PALMS MUCK, 0 TO 1 PERCENT SLOPES	PALMS	Yes	pothole	3,1	NO	NO	YES	1,980
224: LINDER LOAM, 0 TO 2 PERCENT SLOPES	LINDER	No	---	---	---	---	---	4,593
	OTHER	Yes	terrace	2B3	YES	NO	NO	242
253C: FARRAR FINE SANDY LOAM, 5 TO 9 PERCENT SLOPES	FARRAR	No	---	---	---	---	---	190
	OTHER	No	---	---	---	---	---	10
259: BISCAY CLAY LOAM, DEEP, 0 TO 2 PERCENT SLOPES	BISCAY	Yes	outwash terrace	2B3	YES	NO	NO	4,536
	OTHER	Yes	pothole	2B3,3	YES	NO	YES	239
274: ROLFE SILT LOAM, 0 TO 1 PERCENT SLOPES	ROLFE	Yes	pothole	2B3,3	YES	NO	YES	518
	OTHER	No	---	---	---	---	---	27
308: WADENA LOAM, DEEP, 0 TO 3 PERCENT SLOPES	WADENA	No	---	---	---	---	---	580
324: DICKMAN FINE SANDY LOAM, LOAMY SUBSTRATUM, 0 TO 2 PERCENT SLOPE	DICKMAN	No	---	---	---	---	---	535
324B: DICKMAN FINE SANDY LOAM, LOAMY SUBSTRATUM, 2 TO 5 PERCENT SLOPE	DICKMAN	No	---	---	---	---	---	770
339: TRUMAN SILT LOAM, 0 TO 2 PERCENT SLOPES	TRUMAN	No	---	---	---	---	---	360
339B: TRUMAN SILT LOAM, 2 TO 6 PERCENT SLOPES	TRUMAN	No	---	---	---	---	---	328
	FINE SANDY LOAM	No	---	---	---	---	---	18
	SILTY CLAY LOAM	No	---	---	---	---	---	18
354: MARSH	MARSH	Yes	pothole	1,3	NO	NO	YES	1,016
	OTHER	Yes	pothole	2B3	YES	NO	NO	54

## Hydric Soils List

FIELD OFFICE TECHNICAL GUIDE Sec. II  
HYDRIC SOIL INTERPRETATIONS

Palo Alto County, Iowa

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria				Acres
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
390: WALDORF SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	WALDORF	Yes	ground moraine	2B3	YES	NO	NO	1,002
	OTHER	Yes	pothole	2B3,3	YES	NO	YES	53
485: SPILLVILLE LOAM, 0 TO 2 PERCENT SLOPES	SPILLVILLE	No	---	---	---	---	---	2,997
	OTHER	Yes	flood plain	2B3	YES	NO	NO	158
485B: SPILLVILLE LOAM, 2 TO 5 PERCENT SLOPES	SPILLVILLE	No	---	---	---	---	---	1,468
	OTHER	Yes	flood plain	2B3	YES	NO	NO	77
506: WACOUSTA SILTY CLAY LOAM, 0 TO 1 PERCENT SLOPES	WACOUSTA	Yes	pothole	3,2B3	YES	NO	YES	639
	CALCAREOUS	Yes	pothole	2B3,3	YES	NO	YES	36
	OTHER	Yes	ground moraine	2B3	YES	NO	NO	36
507: CANISTEO SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	CANISTEO	Yes	ground moraine	2B3	YES	NO	NO	71,231
	OTHER	Yes	pothole	2B3,3	YES	NO	YES	3,749
511: BLUE EARTH MUCKY SILT LOAM, 0 TO 1 PERCENT SLOPES	BLUE EARTH	Yes	pothole	3,2B3	YES	NO	YES	1,449
	OTHER	Yes	depression	2B3	YES	NO	NO	76
559: TALCOT CLAY LOAM, DEEP, 0 TO 2 PERCENT SLOPES	TALCOT	Yes	outwash terrace	2B3	YES	NO	NO	4,000
	CALCAREOUS	Yes	outwash terrace	2B3	YES	NO	NO	222
	OKOBOJI	Yes	pothole	3,2B3	YES	NO	YES	222
585B: COLO-SPILLVILLE COMPLEX, 2 TO 5 PERCENT SLOPES	COLO	Yes	flood plain	2B3	YES	NO	NO	1,226
	SPILLVILLE	No	---	---	---	---	---	409
638B: CLARION-STORDEN LOAMS, 2 TO 5 PERCENT SLOPES	CLARION	No	---	---	---	---	---	350
	STORDEN	No	---	---	---	---	---	350

## Hydric Soils List

FIELD OFFICE TECHNICAL GUIDE Sec. II  
HYDRIC SOIL INTERPRETATIONS

Palo Alto County, Iowa

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria				Acres
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
639C: STORDEN-SALIDA COMPLEX, 5 TO 9 PERCENT SLOPES	STORDEN	No	---	---	---	---	---	125
	OTHER	No	---	---	---	---	---	62
	SALIDA	No	---	---	---	---	---	62
639D: STORDEN-SALIDA COMPLEX, 9 TO 14 PERCENT SLOPES	STORDEN	No	---	---	---	---	---	192
	OTHER	No	---	---	---	---	---	96
	SALIDA	No	---	---	---	---	---	96
639E: STORDEN-SALIDA COMPLEX, 14 TO 18 PERCENT SLOPES	STORDEN	No	---	---	---	---	---	90
	OTHER	No	---	---	---	---	---	45
	SALIDA	No	---	---	---	---	---	45
655: CRIPPIN LOAM, 0 TO 3 PERCENT SLOPES	CRIPPIN	No	---	---	---	---	---	1,430
	OTHER	Yes	ground moraine	2B3	YES	NO	NO	75
658: MAYER LOAM, MODERATELY DEEP, 0 TO 2 PERCENT SLOPES	MAYER	Yes	outwash terrace	2B3	YES	NO	NO	1,008
	CALCAREOUS	Yes	outwash terrace	2B3	YES	NO	NO	56
	OKOBOJI	Yes	pothole	2B3,3	YES	NO	YES	56
733: CALCO SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	CALCO	Yes	flood plain	2B3	YES	NO	NO	1,295
823: FLAGLER SANDY LOAM, CALCAREOUS SUBSOIL VARIANT, 0 TO 2 PERCENT SLOPES	FLAGLER VARIANT	No	---	---	---	---	---	1,065
823B: FLAGLER SANDY LOAM, CALCAREOUS SUBSOIL VARIANT, 2 TO 5 PERCENT SLOPES	FLAGLER VARIANT	No	---	---	---	---	---	440
895: MAYER LOAM, SANDY LOAM SUBSOIL, 0 TO 2 PERCENT SLOPES	MAYER	Yes	outwash terrace	2B3	YES	NO	NO	760

## Hydric Soils List

FIELD OFFICE TECHNICAL GUIDE Sec. II  
HYDRIC SOIL INTERPRETATIONS

Palo Alto County, Iowa

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria				Acres
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
C485: SPILLVILLE LOAM, CHANNELED, 0 TO 2 PERCENT SLOPES	CALCAREOUS	Yes	outwash terrace	2B3	YES	NO	NO	42
	OKOBOJI	Yes	pothole	3,2B3	YES	NO	YES	42
	SPILLVILLE	No	---	---	---	---	---	3,249
	OTHER	Yes	flood plain	4	NO	YES	NO	180
	OTHER	Yes	oxbow	2B3,3	YES	NO	YES	180
T6: OKOBOJI SILTY CLAY LOAM, BENCHES, 0 TO 1 PERCENT SLOPES	OKOBOJI	Yes	pothole	3,2B3	YES	NO	YES	230
	CALCAREOUS	Yes	pothole	2B3,3	YES	NO	YES	13
	CLAY LOAM	Yes	outwash terrace	2B3	YES	NO	NO	13
W: WATER	WATER	Unranked	---	---	---	---	---	3,610